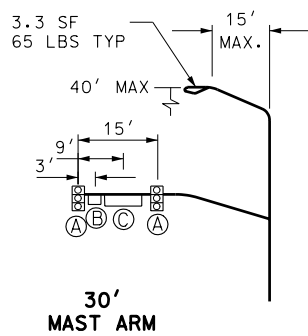
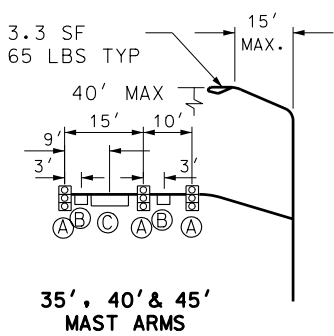


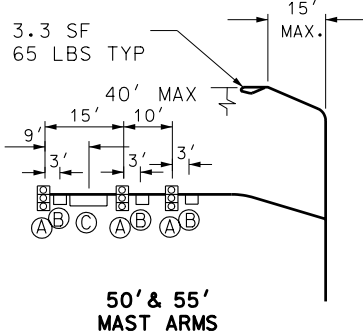
DESIGN INFORMATION



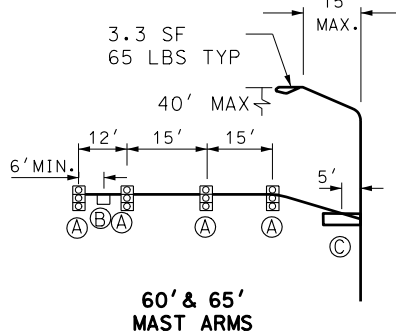
30' MAST ARM



35', 40' & 45' MAST ARMS



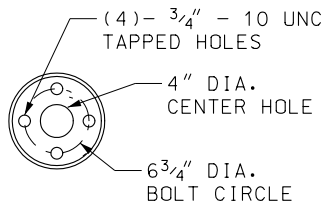
50' & 55' MAST ARMS



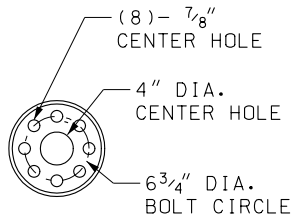
60' & 65' MAST ARMS

FIELD CUT END OF MAST ARM IF 25' MAST ARM LENGTH IS REQUIRED PROVIDE END CAP.

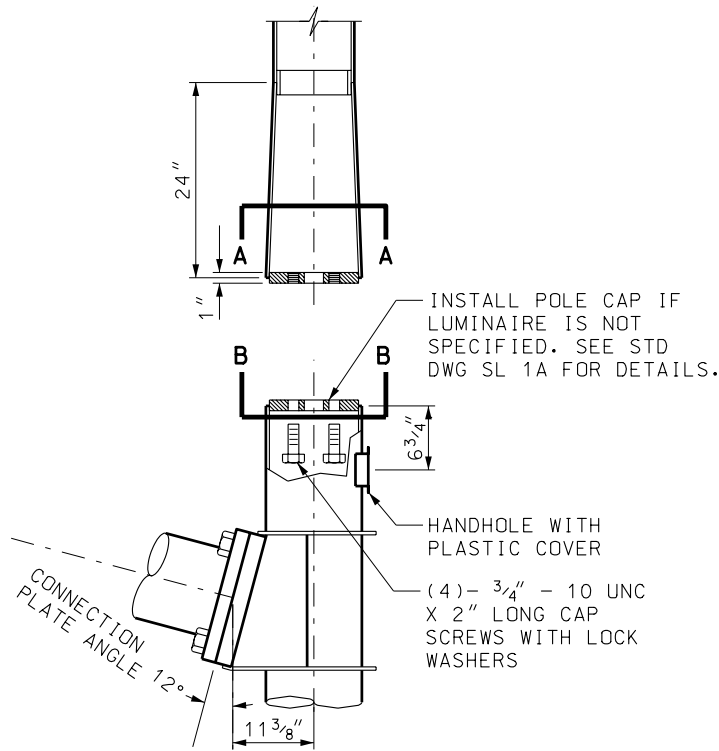
DEVICE	DESCRIPTION/SIZE	PROJECTED AREA (SF)	WEIGHT(LBS)
(A) SIGNAL	12", 3-SECTION WITH BACK PLATE	8.7	55
(B) SIGN	REGULATORY 24" x 30"	5.0	20
(C) SIGN	STREET NAME 16" x 96" (MAX)	10.7	43



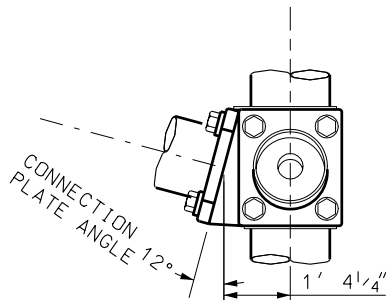
SECTION A-A



SECTION B-B



30' THRU 65' ARM POLE EXTENSION AND CONNECTION DETAIL



30' THRU 45' DUAL ARM POLE CONNECTION DETAIL

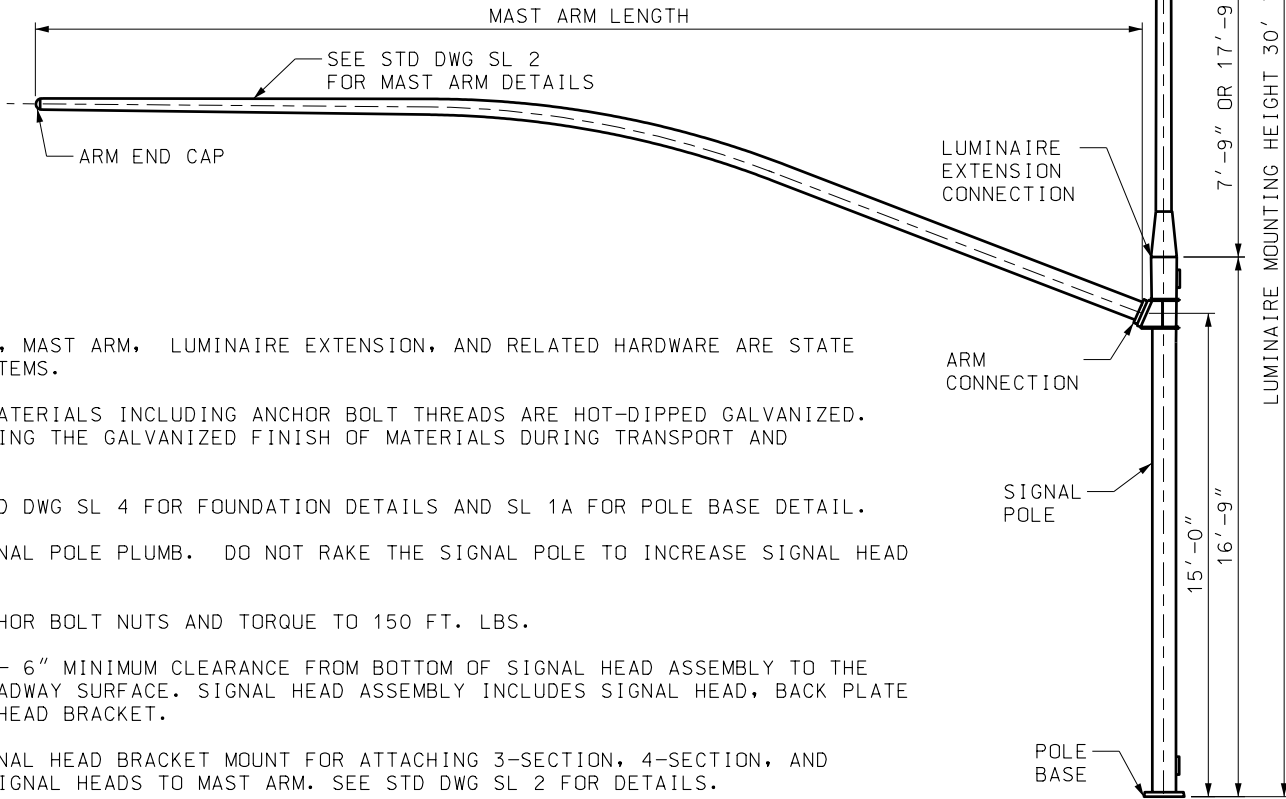
VERTICAL LUMINAIRE ATTACHMENT IN LIEU OF LUMINAIRE ARM

CONNECTION

VERTICAL LUMINAIRE ATTACHMENT

LUMINAIRE EXTENSION FOR CURVED MAST ARM POLES

CONNECTION



NOTES:

1. SIGNAL POLE, MAST ARM, LUMINAIRE EXTENSION, AND RELATED HARDWARE ARE STATE FURNISHED ITEMS.
2. ALL STEEL MATERIALS INCLUDING ANCHOR BOLT THREADS ARE HOT-DIPPED GALVANIZED. AVOID DAMAGING THE GALVANIZED FINISH OF MATERIALS DURING TRANSPORT AND PLACEMENT.
3. REFER TO STD DWG SL 4 FOR FOUNDATION DETAILS AND SL 1A FOR POLE BASE DETAIL.
4. INSTALL SIGNAL POLE PLUMB. DO NOT RAKE THE SIGNAL POLE TO INCREASE SIGNAL HEAD CLEARANCE.
5. TIGHTEN ANCHOR BOLT NUTS AND TORQUE TO 150 FT. LBS.
6. PROVIDE 17'-6" MINIMUM CLEARANCE FROM BOTTOM OF SIGNAL HEAD ASSEMBLY TO THE FINISHED ROADWAY SURFACE. SIGNAL HEAD ASSEMBLY INCLUDES SIGNAL HEAD, BACK PLATE AND SIGNAL HEAD BRACKET.
7. PROVIDE SIGNAL HEAD BRACKET MOUNT FOR ATTACHING 3-SECTION, 4-SECTION, AND 5-SECTION SIGNAL HEADS TO MAST ARM. SEE STD DWG SL 2 FOR DETAILS.
8. FOLLOW DESIGN INFORMATION DETAIL FOR TYPICAL SIGNAL HEAD SPACING. LOCATE THE CENTER OF END SIGNAL HEAD 1' FROM THE END OF MAST ARM. FOR NON-TYPICAL INSTALLATIONS PROVIDE NO LESS THAN 8'-0" MINIMUM SPACING BETWEEN SIGNAL HEADS.
9. REFER TO STD DWG SL 1A FOR 50' THRU 75' ARM KEY DETAIL AND TYPICAL POLE BASE DETAIL.

STATE FURNISHED ITEMS

ITEM	CONTENTS
MAST ARM SIGNAL POLE WITH HARDWARE KIT	MAST ARM SIGNAL POLE, CONNECTION BOLTS, PLASTIC HANDHOLE COVERS, POLE CAP, AND SCREWS
DUAL MAST ARM SIGNAL POLE WITH HARDWARE KIT	MAST ARM SIGNAL POLE, CONNECTION BOLTS, PLASTIC HANDHOLE COVERS, POLE CAP, AND SCREWS
MAST ARM HARDWARE KIT	MAST ARM, END CAP AND SCREWS, AND THRU BOLT (FOR TWO-PIECE ARMS)
LUMINAIRE EXTENSION WITH HARDWARE KIT	LUMINAIRE EXTENSION, CONNECTION BOLTS, WASHERS, AND NUTS
LUMINAIRE ARM OR VERTICAL ATTACHMENT	LUMINAIRE ARM OR VERTICAL ATTACHMENT

REVISIONS

NO.	DATE	APPR.	REMARKS
1	12/18/03	LM	ENTIRE DRAWING MODIFIED.

UTAH DEPARTMENT OF TRANSPORTATION

STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION
SALT LAKE CITY, UTAH

RECOMMENDED FOR APPROVAL	DATE
CHAIRMAN STANDARDS COMMITTEE	DEC.18.2003
APPROVED	DATE
DEPUTY DIRECTOR	DEC.18.2003

TRAFFIC SIGNAL
MAST ARM POLE AND
LUMINAIRE EXTENSION

STANDARD DRAWING TITLE

STD DWG
SL 1A